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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/805,843	03/13/2001	Edward Aung	174/183	3795

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EXAMINER

BAYARD, EMMANUEL

ART UNIT PAPER NUMBER

2611

DATE MAILED: 05/31/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/805,843

Applicant(s)

AUNG ET AL.

Examiner

Emmanuel Bayard

Art Unit

2611

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE _____ MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☐ Responsive to communication(s) filed on 07 March 2006.
- 2a) ☐ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☒ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☐ Claim(s) _____ is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☒ Claim(s) 1-5, 11, 13, 14, 16, 18-30, 32-40, 42-56, 58-71, 73-79, 81-86, 88-102, 111, 112, 121-135 and 137-141 is/are allowed.
- 6) ☐ Claim(s) _____ is/are rejected.
- 7) ☒ Claim(s) 6-10, 12, 15, 17, 33, 57, 80, 87, 103-110, 113-120 and 136 is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
 - ☐ Certified copies of the priority documents have been received in Application No. _____.
 - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|-----------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

This is in response to communication filed on 3/7/06 in which claims 1-30, 32-40, 42-71 and 73-141 are pending. The applicant's amendments have been fully considered.

Claim Objections

1. Claim 6 is objected to because of the following informalities: line 3 recites, "Phase locked loop". Is it the same as the one recited in claim 3? Appropriate correction is required.
2. Claim 7 is objected to because of the following informalities: line 3 recites "an operating parameter". Is it the same as the one recited in claim 4? . Appropriate correction is required.
3. Claim 8 is objected to because of the following informalities: line 3 recites "a programmable power down signal". Is it the same as the one recited in claim 5? . Appropriate correction is required.
4. Claims 9-10 are also objected because they depend on a rejected base claim.
5. Claim 12 is objected to because of the following informalities: line 3 recites "an operating parameter". Is it a second one? Since an operating parameter was already recited in claim 4. Appropriate correction is required.
6. Claim 15 is objected to because of the following informalities: "a reset signal" is recited in line 3. It is a different one as the one recited in claim 13? Appropriate correction is required.

Art Unit: 2611

7. Claim 17 is objected to because of the following informalities: "a reset signal" is recited in line 4. It is a different one as the one recited in claim 13? Appropriate correction is required.

8. Claim 33 is objected to because of the following informalities: line 3 recites "an operating parameter". Is it the same as the one recited in claim 29? . Appropriate correction is required.

9. Claim 57 is objected to because of the following informalities: line 3 recites, "Buffer memory circuitry". Is it the same as the one recited in claim 54? . Appropriate correction is required.

10. Claim 80 is objected to because of the following informalities: lines 3-4 recite "differential driver circuitry" and "pair of differential signals. Are they the same as the one recited in claim 79? . Appropriate correction is required.

11. Claim 87 is objected to because of the following informalities: line 3 recites, "Buffer memory circuitry". Is it the same as the one recited in claim 54? . Appropriate correction is required.

12. Claims 103-110 are objected to because of the following informalities: line 1 recites "circuitry". Which circuitry is the claim referring to? Since claim 102 recites four (serializer, control, input and output) different circuitries? Appropriate correction is required.

13. Claims 113-120 are objected to because of the following informalities: line 1 recites "circuitry". Which circuitry is the claim referring to? Since claim 112 recites four

Art Unit: 2611

(deserializer, control, input and output) different circuitries? Appropriate correction is required.

14. Claim 136 is objected to because of the following informalities: line 3 recites "loopback circuitry". Is it the same as the one recited in claim 135? . Appropriate correction is required.

Conclusion

15. This application is in condition for allowance except for the following formal matters:

The objection of the claims recited above.

Prosecution on the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

A shortened statutory period for reply to this action is set to expire **TWO MONTHS** from the mailing date of this letter.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Emmanuel Bayard whose telephone number is 571 272 3016. The examiner can normally be reached on Monday-Friday (7:Am-4:30PM) Alternate Friday off.

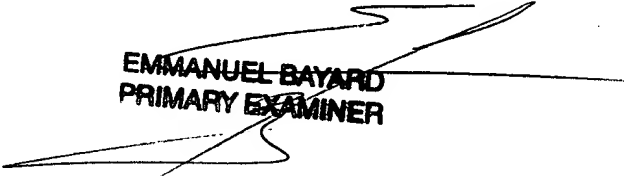
If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Jay Patel can be reached on 571 272 2988. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Art Unit: 2611

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Emmanuel Bayard
Primary Examiner
Art Unit 2611

5/26/06


EMMANUEL BAYARD
PRIMARY EXAMINER